Wnt Signaling and Injury Repair.

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Public Summary:
Wnt signaling is activated by injury and participates in every stage of the healing process. In this review we summarize recent data about roles the Wnt pathway plays in the repair process, which provide a foundation for Wnt-based therapies to simulate tissue regeneration.

Scientific Abstract:
Wnt signaling is activated by wounding and participates in every subsequent stage of the healing process from the control of inflammation and programmed cell death, to the mobilization of stem cell reservoirs within the wound site. In this review we summarize recent data elucidating the roles that the Wnt pathway plays in the injury repair process. These data provide a foundation for potential Wnt-based therapeutic strategies aimed at stimulating tissue regeneration.